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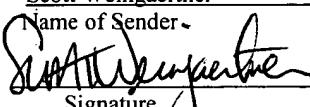
**THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Schmitt, et al.  
Serial No. : 09/912,128  
Filed : July 24, 2001  
For : METHOD FOR DEBUGGING FLOWCHART PROGRAMS  
FOR INDUSTRIAL CONTROLLERS  
Examiner : Kenneth A. Gross  
Group Art Unit : 2122

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I hereby certify that this paper is being deposited with the United States Postal Service on the date indicated below as first class mail in an envelope addressed to:	
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Scott Weingaertner Name of Sender	37,756 PTO Reg. No.
 Signature	MAY 19, 2004 Date of Signature

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Applicants submit this communication and the attached Forms PTO/SB/08A and PTO/SB/08B in compliance with 37 C.F.R. §§1.56, 1.97 and 1.98.

Consideration of the documents cited on the attached Forms PTO/SB/08A and PTO/SB/08B are respectfully requested. A copy of the cited references are attached with this communication.

Applicants also provide English language Abstract translations of EP 0 735 444, published October 2, 1996; EP 0 774 701, published May 21, 1997; and WO 97/25661, which correspond to DE 196 00 882, published September 4, 1997.

05/24/2004 SSANDARA 00000017 231703 09912128

01 FC:1806 180.00 DA

Applicants are providing a partial English language translation of the cited excerpt from document, "SPS/IPC/Drives – Tagungsband," cited on PTO/SB/08B and published in the German language. The document is directed to general background information on CNC and SPS controls. Applicants also provide a full English language translation of the cited pages of "NC/CNC Handbuch, 1995."

Applicants also enclose a copy of a search report issued by the European Patent Office, EP 01 10 7924, which is a European patent application related to the instant application.

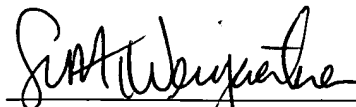
Applicants bring to the Examiner's attention the co-pending, commonly-assigned U.S. non-provisional patent applications, Serial Nos. 09/911,585, filed July 24, 2001; 09/838,803, filed April 20, 2001; and 09/911,586, filed July 24, 2001; copies of the specifications and preliminary amendments are also provided.

**TIME OF TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**

Applicants authorize the Assistant Commissioner to charge the \$180.00 fee and any additional fee which may be due in connection with this communication, to Deposit Account No. 23-1703.

Dated: May 19, 2004

Respectfully submitted,



\_\_\_\_\_  
Scott T. Weingaertner  
Reg. No. 37,756  
Attorney for Applicants

Customer No. 007470  
White & Case LLP  
Direct Dial: (212) 819-8404

**Enclosures**

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	09/912,128
Filing Date	July 24, 2001
First Named Inventor	Regina Schmitt
Art Unit	2122
Examiner Name	Kenneth A. Gross
Attorney Docket Number	2000P14920US//1140668-0026

Sheet 1 of 3

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-4,646,228	02-24-1987	Ikeda	
		US-5,321,603	06-14-1994	Schwenke	
		US-5,392,207	02-21-1995	Wilson et al.	
		US-5,434,489	07-18-1995	Cheng et al.	
		US-6,571,138 B1	05-27-2003	Okada et al.	
		US-5,479,354	12-26-1995	Hussiein, Manfred	
		US-5,790,437	08-04-1998	Schuh et al.	
		US-5,909,372	06-01-1999	Thybo, Claus	
		US-6,294,891 B1	09-25-2001	McConnell et al.	
		US-6,442,442 B1	08-27-2002	Weinhofer, Juergen K.	

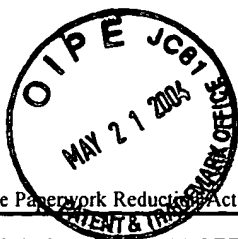
**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	✓	DE 196 00 882 C1	09-04-1997	Heesemann		X
	✓	EP 0 735 444 A2	03-26-1996	Siemens Aktiengesellschaft		X
	✓	EP 0 774 701 A1	11-17-1995	Tornos-Bechler SA		X
	✓	EP 0 813 131 A1	06-03-1997	Danfoss A/S		
	✓	WO 92/02871	02-20-1992	Digital Arts Film & Television Pty. Ltd.		
	✓	WO 97/25661	07-17-1997	Heesemann		
Examiner Signature				Date Considered		

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PTO/SB/08A (08-03)

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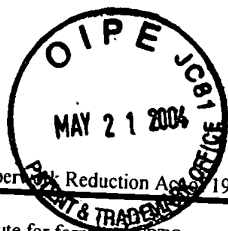
Substitute for form 1449/PTO			<b>Complete if Known</b>		
			Application Number	09/912,128	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)			Filing Date	July 24, 2001	
			First Named Inventor	Regina Schmitt	
			Art Unit	2122	
			Examiner Name	Kenneth A. Gross	
			Attorney Docket Number	2000P14920US//1140668-0026	
Sheet	2	of	3		

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		Number-Kind Code <sup>2</sup> (if known)			
		US-6,282,699 B1	08-28-2001	Zhang et al.	
		US-6,144,984	11-07-2000	DeBenedictis et al.	
		US-6,289,252 B1	09-11-2001	Wilson	
		US-6,553,268 B1	04-22-2003	Schwenke et al.	
		US-6,466,827 B1	10-15-2002	Stine	
		US-4,852,047	07-25-1989	Lavallee et al.	
		US-3,668,653	06-06-1972	Fair et al.	
		US-4,074,281	02-14-1978	Quarton	
		US-6,263,487 B1	07-17-2001	Stripf et al.	

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
Examiner Signature			Date Considered			

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Sheet 3 of 3

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		HANS B. KIEF, NC/CNC Handbuch, 1995, Forward and pp. 296-297 and 318-319, Carl Hanser Verlag Publishers, Munich, Germany.	X
		JOSEF HUBL, SPS/IPC/Drives - tagungsband, pp. 88-95, November 23-25, 1999, Nurnberg, Verlag Huthig GmbH, Heidelberg, Germany.	X
		HANS B. KIEF, NC/CNC Handbuch, 2000, Carl Hanser Verlag Publishers, Munich, Germany, p. 244; p. 254, Bild 7: Programmiermöglichkeiten von SPS, p. 320, p. 326, Bild 5: Das Prinzip der maschinellen NC-Programmierung; p. 327, Bild 6: Prinzip und Informationstau bei der rechnerunterstützten (maschinellen) NC-Programmierung.	X
		DIN 66001, "Information Processing Graphical Symbols and Their Application," Deutsches institut für Normung, December 1983.	X
		Einfach und werkstattnah programmieren G05B 19/409, TR Technische Rundschau Heft 37, 1993, pp. 70-71.	X

Examiner Signature		Date Considered	
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